GC660

Description

Fast CCD camera with Ex-view sensor - high sensitivity

The GC660 is a fast, VGA-resolution, high-performance machine vision camera with Gigabit Ethernet interface (GigE Vision®). The GC660 incorporates a Sony ExView HAD CCD sensor that has particularly high quantum efficiency and excellent NIR response for excellent image quality and sensitivity.

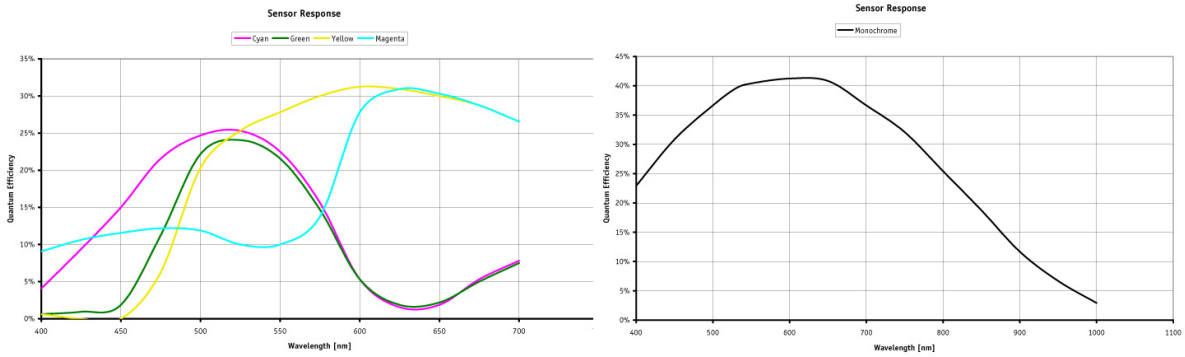
Features include:

- 120 fps at 659x493
- 5.6 x 5.6 um pixel size
- High Sensitivity
- Sony ExView HAD sensor

Specifications

Prosilica GC	GC660
Resolution	659 x 493
Max frame rate at full resolution	119 fps
Type	CCD Progressive
Interface	IEEE 802.3 1000baseT
A/D	12 bit
Output	8/12 bit
Sensor Size	Type 1/4
Sensor	Sony ICX618
Cell size	5.6 µm
On-board FIFO	16 MB
Body Dimensions (L x W x H in mm)	33x46x59 including connectors, w/o tripod and lens

Download Prosilica GC technical drawing (click here)



Smart features

The GC660 features include:

- 120 fps at 659x493
- 5.6x5.6 um pixel size
- High Sensitivity
- Sony ExView HAD sensor
- StreamBytesPerSecond (easy bandwidth control)
- Flexible binning
- Progressive Scan CCD
- Global shutter (Snapshot shutter)
- Gigabit Ethernet interface
- Very small and light weight
- Compliant with the AIA GigE Vision standard
- Asynchronous external trigger and sync I/O
- Region of Interest readout (AOI partial scan)
- Software development Kit
- Color output modes include RGB color

Applications

The GC660 is ideal for a wide range of applications including:

- machine vision
- industrial inspection
- public security
- traffic monitoring
- robotics

Application Case Studies:

- **Prosilica GigE Vision Cameras Tested for New NASA Recording System**
  Prosilica's GigE Vision GC Series Cameras are being tested by NASA as the Agency is looking to upgrade one of its existing space shuttle video/camera recording systems.